

IN THE CLAIMS:

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Canceled)
- 6-8. (Canceled in Response to a Restriction Requirement).
9. (Canceled)
10. (Canceled)
11. (Canceled)
12. (Canceled)
13. (Canceled)
14. (Canceled)
15. (Canceled)
16. (Canceled)
17. (Canceled)

18-20. (Canceled in Response to a Restriction Requirement).

21. (Canceled)

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36-38. (Canceled in Response to a Restriction Requirement).

39. (Canceled)

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51-58. (Canceled in Response to a Restriction Requirement).

59. (Canceled)

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- 69-72. (Canceled).
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81. (Previously Presented). A process for obtaining a cross-incompatible inbred maize plant comprising a gene cluster that encodes for a TCB trait, which when crossed with a second inbred maize plant, produces a hybrid maize plant which is cross-incompatible and contains a gene cluster that encodes for a TCB trait, the process comprising the steps of:

a) crossing a first donor parental maize plant comprising a gene cluster that encodes for a TCB trait with a second donor parental maize plant containing genes that encode for desirable traits in hybrid combination, wherein the gene cluster in said first donor parental maize plant comprises a *Tcb* locus and at least one modifier gene and further wherein said first donor parental maize plant is derived from a maize plant designated W22-TCB, seeds of which have been deposited as ATCC No. PTA-1601;

b) collecting the seed resulting from the cross in step a);

c) planting and growing the seed collected in step b) under plant growth conditions;

d) obtaining DNA from each of the plant of the plant population grown in step c);

e) analyzing the DNA obtained from each plant in step d) using at least one molecular marker including and between molecular markers *umc1117* and *bnlg490* shown in Figure 3B to identify a *Tcb* locus and at least

one modifier gene;

f) selecting plants from said population having the *Tcb* locus and at least one modifier gene for further crossings and screenings;

g) repeating steps d) – f) until a line is obtained which is homozygous for the gene cluster for cross-incompatability to provide such a trait in an inbred maize plant to be used in hybrid combination; and

h) selecting plants from said population having the gene cluster for cross-incompatibility for further crossings and screenings until a line is obtained which is homozygous for the gene cluster for cross-incompatibility to provide such a trait in an inbred maize plant to be used in hybrid combination.

82. (Canceled)

83. (Canceled)

84. (Canceled)

85. (Canceled)

86. (Canceled)